
LD 27: ISDN Basic Rate Interface (BRI) Administration

Overlay program 27 was introduced in Release 18 and is used to configure ISDN Basic Rate Interface hardware.

If ISDN BRI is being configured for the first time the following sequence must be used:

- 1 Configure Protocol group (PROT) data block (Release 18), Link Access Protocol on D-channel (LAPD) data block (Release 19 and later).
- 2 Configure PRI loop, route, and channel data blocks for packet data transmission (Release 18).
- 3 Configure Multi-purpose ISDN Signaling Processor (MISP) data block.
- 4 Configure Basic Rate Signaling Concentrator (Release 19 and later).
- 5 Configure S/T Interface Line Card (SILC) or U Interface Line Card (UILC) data block.
- 6 Configure Digital Subscriber Loop (DSL) data block.
- 7 Configure Terminal Service Profile on DSL (TSP) data block.

If changing the existing ISDN BRI service this sequence does not have to be followed, but the relationship of one data block to another must be observed. Due to interactions the changing of one data block may require the changing of other data blocks.

Refer to the *ISDN BRI Administration* NTP for complete details.

Prompts and responses

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BRSC : Basic Rate Signaling Concentrator data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	BRSC	Type of data block = BRSC (Basic Rate Signaling Concentrator)
BRSC	l s c	Basic Rate Signaling Concentrator card
MISP	x...x	MISP loop number for large systems; SISP card slot for small systems (Option 11)
DPSD	(NO) YES	D-channel Packet Switched Data
- MPHC	(YES) NO	Switch Route D-channel packet data to (Meridian Packet Handler) or public switched packet data network
- MPH	I	Meridian Packet Handler loop
- PRI_CH	I ch	PRI for Packet Handler and BRSC connections

CARD: SILC/UILC card data block

The S/T Interface Line Card (SILC) or U Interface Line Card (UILC) configuration procedures identify the location, the card type, and the MISP network loop for each SILC or UILC installed in the Meridian 1 Intelligent Peripheral Equipment (IPE) and Common Equipment (CE) Modules or card slot for each SILC or UILC installed in the Base or Expansion cabinet of an Option 11 system.

After the card configuration block is created, the dedicated D-channels are automatically assigned if the MISP is enabled. When REQ = PRT, entering <CR> at the TN prompt prints out information for all the cards in the system.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	CARD	Type of data block = CARD (SILC/UILC)
TN	l s c u	Terminal Number of SILC or UILC
MISP	x...x	MISP loop number for large systems; SISP card slot for small systems (Option 11)
CTYP	aaaa	Card Type (aaaa = SILC or UILC)

DNAT: Data Network Address Tables data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	DNAT	Type of data block = DNAT (Data Network Address Table)
DNAT	1-32	DNA Table to print
DNIC	xxxx	Data Network Identification Code
NTN	x...x	Network Terminal Number

DSL: Digital Subscriber Loop data block (APPL = BRI)

The Digital Subscriber Loop (DSL) configuration determines the characteristics for each DSL connected to an SILC or UILC. Up to eight DSLs can be assigned to each SILC or UILC. When REQ = PRT, entering <CR> at the DSL prompt prints out all DSLs in the system.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	DSL	Type of data block = DSL (Digital Subscriber Loop)
DSL	l s c dsl	Digital Subscriber Loop address
DES	d...d	DSL Designator
CUST	0-99	Customer number associated with this function
CTYP	aaaa	Card Type (aaaa = SILC or UILC)
OPT	(BRIL)	BRI Line application (Release 18)
APPL	BRI	Basic Rate Interface (Release 19 and later)
MISP	x...x	MISP loop number for large systems; SISP card slot for small systems (Option 11)
MODE	aaaa	Network Terminal line sampling mode for SILC only (aaaa = NTAS or NTFS)
B1CT	aaa	B-channel 1 Call Type (aaa = (VCE DTA), PMD, or IPD)
- TN	l ch	PRI loop number and B-channel number when B1CT = PMD
- MPH	l	Meridian Packet Handler loop number when B1CT = IPD
- PRI	0-158	Primary Rate Interface loop

- CH	xx	Channel number
B2CT	aaa	B-channel 2 Call Type (aaa = (VCE DTA), PMD, or IPD)
- TN	l s c	PRI loop number and B-channel number when B2CT = PMD
- MPH	l	Meridian Packet Handler loop number
- PRI	0, 2, 4, ...158	Primary Rate Interface loop
- CH	xx	Channel number
LDN	aa	Listed Directory Number (aa = (NO) or 0-5)
XLST	(0)-254	Pretranslation group
MTEI	1-(8)-20	Maximum Terminal Endpoint Identifiers
LTEI	n1 n2, m	Logical Terminal and Terminal Endpoint Identifiers
MCAL	2-(16)-32	Maximum number of Calls on a DSL at one time
MTSP	1-(8)-16	Maximum Terminal Service Profiles
PGPN	0-15	Protocol Group Number
LAPD	0-15	Link Access Protocol on D-channel
PRID	1-4	Protocol ID
- PDCA	1-16	Pad Category table defined in LD 73
FDN	x...x	Flexible Call Forward No Answer Directory Number
EFD	x...x	External Flexible Call Forward No Answer Directory Number
HUNT	x...x	Hunt directory number
EHT	x...x	External Hunt directory number
TGAR	0-(1)-31	Trunk Group Access Restriction number
NCOS	(0)-99	Network Class of Service
SGRP	(0)-999	Scheduled Access Restriction Group number
CAC	(0)-10	Category Code for R2/MFC
CLS	a...a	Class of Service (CLS responses begin on page 642)

DSL: Digital Subscriber Loop data block (APPL = BRIT or BRIE)

Prompt	Response	Comment
REQ	aaa	Request
TYPE	DSL	Type of data block = DSL (Digital Subscriber Loop)
DSL	l s c dsl	Digital Subscriber Loop address
DES	d...d	DSL Designator (1 to 6 alphanumeric characters)
APPL	aaaa	Basic Rate Interface (aaa = BRIT or BRIE)
- ISDN_MCNT		
	60-(300)-350	Layer 3 call control message count per 5 second time interval.
CUST	0-99	Customer number associated with this function
CTYP	aaaa	Card Type (aaaa = SILC or UILC)
MISP	x...x	MISP loop number for large systems; SISP card slot for small systems (Option 11)
MODE	aa	Mode for DSL (aa = (TE) or NT)
- MTFM	(NO) YES	Multi-Frame Mode
TKTP	aaa	Trunk Type (aaa = TIE, COT, and DID)
CLOK	(NO) YES	Clock source
- TSET	0-15	Threshold Set for clock errors
PDCA	1-16	Pad Category table (defined in LD 73)
ROUT	0-511	Route number for the Trunk DSL
TIMR	(NO) YES	Change Timer values
- T310	10-(30)-60	T310 Timer value in seconds
B1	(NO) YES	Change B-channel 1 configuration
- MEMB	1-254	Member number of BRI route
- TGAR	0-(1)-31	Trunk Group Access Restriction number
- NCOS	(0)-99	Network Class of Service
- CLS	aaa	Class of Service (CLS responses begin on page 642)
B2	(NO) YES	B-channel 2
- MEMB	1-254	Member number of BRI route
- TGAR	0-(1)-31	Trunk Group Access Restriction number
- NCOS	(0)-99	Network Class of Service
- CLS	aaa	Class of Service (CLS responses begin on page 642)

LAPB: Link Access Procedure - Balanced data block (Release 19 and later)

The Link Access Protocol for B-channels defines the B-channel packet data configuration. Meridian 1 Packet Handler (MPH) package 248 must be equipped.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	LAPB	Type of data block = LAPB (Link Access Procedure - Balance)
PGPN	0-15	Protocol Group Number
USER	(NO) YES	Print groups selected at PGPN prompt
LAPB	(NO) YES	Change Link Access Protocol for B-channels
- T1	2-(6)-130	Response Timer in units of 0.5 seconds
- T2	1-(4)-129	Maximum frame delay in units of 0.5 seconds
- T3	xxx	Idle Timer in units of 0.5 seconds (xxx = 0 or 3-(12)-131)
- N1	23-(135)- 263	Maximum I-frame size in octets
- N2	1-(10)-15	Maximum number of retries
- K	(1)-7	Window size

MISP: Multipurpose ISDN Signaling Processor data block

The Multi-purpose ISDN Signaling Processor (MISP) configuration procedures identify each MISP in the system and its packet handling capabilities. After the MISP is configured it can be enabled using LD 32. An MISP can support any combination of SILCs and UILCs up to a total of four, which are assigned to the MISP using the SILC/UILC configuration procedure.

When REQ = PRT, entering <CR> at the LOOP prompt prints out all MISPs in the system. When REQ = CHG, the following applies:

- MISP must be disabled when adding/removing D-channel packet capability
- remove Packet Mode Data call type B-channels before removing the B-channel packet capability
- remove Logical Terminal Identifiers (LTIDs) before removing the D-channel packet capability

Prompt	Response	Comment
REQ	aaa	Request
TYPE	MISP	Type of data block = MISP
LOOP	0, 2, 4...158	MISP/SISP loop number
CARD	1-9	SISP card slot number (valid only for Option 11)
APPL	a...a	Application (a...a = BRI, BRIE, BRIL, or MPH)
PH	a...a	Packet Handler (a...a = DCH, BCH, or BDCH)
- PRI	0, 2, 4...158	Primary Rate Interface
- CH	xx	Channel number
DPSP	(NO) YES	D-channel Packet Switched Data
- MPH	(YES) NO	Route D-channel packet switched data to the Meridian Packet Handler.
- TN	l s c u	Terminal Number
PRFX	0-9	DNA table Prefix
NTNO	(YES) NO	Public Switched Packet Data Network presentation
DNIC	xxxx	Data Network Identification Code
NWIF	1-3	MPH Network Interface identifier

- TN	l s c u	Terminal Number
- RATE	(64) 56	PSDN communication Rate
- LAPB	(NO) YES	Change LAPB parameters
- X25P	(YES) NO	Change X.25 parameters
- PVC	n1 n2	Permanent Virtual Circuit Logical Channel number range
- IC	n1 n2	Incoming Logical Channel number range
- TC	n1 n2	Two-way Logical Channel number range
- OC	n1 n2	Outgoing Logical Channel number range
- DNAT	1-32	DNA Table to print

PVC: Permanent virtual circuit connections data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	PVC	Type of data block = PVC (Permanent virtual circuit connections)
MPH	loop	Meridian Packet Handler loop
PVCN	1-4	Permanent Virtual Circuit Number
XPVC	(YES) NO	External or internal PVC connection
- NWIF	1-3	MPH Network Interface identifier
NTN1	x...x	First Permanent Virtual Circuit connection to the NTN
LCN1	1-4095	Permanent Virtual Circuit Logical Channel number for NT1
NTN2	xx . . . xx	Second Permanent Virtual Circuit connection to the NTN
LCN2	1-4095	Permanent Virtual Circuit Logical Channel number for NT2

PROT or LAPD: Protocol or Link Access Protocol data block

The protocol configuration procedures define the protocols used by ISDN BRI DSLs to communicate over ISDN. These protocol groups support various ISDN communication standards used in North America, Europe, and other continents and countries.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	PROT	Type of data block = PROT or LAPD (Protocol group for Release 18 or Link Access Protocol on D-channel for Release 19 and later)
PGPN	0-15	Protocol Group Number
LAPD	(NO) YES	Change Link Access Protocol for D-channels
USER	(NO) YES	Print groups selected at PGPN prompt
- T200	(2)-40	Retransmission Timer in increments of 0.5 seconds
- T203	4-(20)-80	Maximum Time between transmission frames
- N200	1-(3)-8	Maximum Number of retransmissions
- N201	4-(260)	Maximum Number of contiguous octets or bytes in information element
- K	(1)-32	Maximum number of outstanding Negative Acknowledgment (NAKs)
- N2X4	0-(10)-20	Number of Status Inquiries when Remote Station is in peer busy for 1TR6
PGPN	<cr>	This prompt is repeated until <CR> is entered.

TSP: Terminal Service Profile data block

The Terminal Service Profile (TSP) configuration procedures define the service profiles for ISDN BRI terminals connected to a DSL. A service profile specifies the type of transmission, the call restrictions, and the features the terminal can use.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	TSP	Type of data block = TSP (Terminal Service Profile)
DSL	l s c dsl	Digital Subscriber Loop address
OPT	a...a	Options (a...a = DN, DNS, SPID, SUID, or USID)
USID	(0)-15	User Service Identifier
MPHC	(YES) NO	Route D-channel packet switched data to the Meridian Packet Handler
- SPID	a...a	Service Profile Identifier
TRMT	a	Terminating Type (D or B)
TEI	0-63	Static TEI for addressing terminal
BCH	x	Terminal Service Profile association (x = 1 or 2)
- LAPB	(NO) YES	Change LAPB parameters
- X25P	(YES) NO	Change X.25 Parameters
- NTN	x...x	Network Terminal Number
- PVC	n1 n2	Permanent Virtual Circuit Logical Channel number range
- IC	n1 n2	Incoming Logical Channel number range
- TC	n1 n2	Two-way Logical Channel number range
- OC	n1 n2	Outgoing Logical Channel number range
CDR	(NO) YES	Internal CDR
FEATID	aaa mmm nnn	Feature ID association
SSRV_NI	aaa mmm nnn	NI-1 Supplementary Service
SUPL_SVC	aaa	Supplementary Services (aaa = AO3 or AO6)
DN	x...x y...y	Directory Number (x...x) and CLID entry (y...y)
- CT	aaa	Call Types for the DN (aaa = VCE or DTA)
- MCAL	1-(4)-8	Maximum Calls allowed per DN
- CLIP	(YES) NO	Calling Line Identification Presentation for incoming calls
- PRES	(YES) NO	Presentation of CLID to far-end on outgoing calls
COLP	(NO) YES	Connected Line Identification Presentation
TRANS	(NO) YES	Transparent presentation of COLP, CLID coming from S0 terminal without presentation option

FEAT	a...a	Features (FEAT responses begin on page 645)
SSRV_ETSI	aaa mmm nnn	Supplementary Service
DFDN	x...x	Default Directory Number

X25P: X25P packet protocol parameters data block (Release 19 and later)

Prompt	Response	Comment
REQ	aaa	Request
TYPE	X25P	Type of data block = X25P (X.25 packet protocol parameters)
PGPN	0-15	LAPB Protocol Group Number
X25P	(YES) NO	Change X.25 Parameters
- T10/T20	15-(180)-930	Request restart Timer in 1 second units
- T11/T21	15-(180)-930	Call request Timer in 1 second units
- T12/T22	15-(180)-930	Reset request Timer in 1 second units
- T13/T23	0-15-(180)-930	Clear request Timer in 1 second units
- PSIZ	xxx	Default Packet Transmission Size in octets (xxx = 16, 32, 64, (128), or 256)
- WSIZ	1-(2)-7	Default Transmit Window Size in octets

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
APPL		Application	bri-19
	(BRI)	Basic Rate Interface if Integrated Service Digital Network BRI Trunk Access (BRIT) package 233 and Basic Rate Interface Line Application (BRIL) package 235 not equipped.	
	BRIE	Basic Rate Interface protocol engine BRIE supports the QSIG and EURO ISDN interfaces and requires BRIT package 233. Any changes in the DSL route has to match the BRIE loadware application. To configure the appropriate application for the DSL, the required application must be entered here. To add or delete an application, the MISP must be in a disabled state. To delete an application, all associated DSLs must be removed first. Precede with an X to remove.	brit-20
	BRIL	Basic Rate Interface Line APPL will default to BRIL if BRIL package 235 is equipped. Otherwise, BRIT will be the default.	
	BRIT	Basic Rate Interface Trunk BRIT supports SL-1, Numeris and 1TR6 interface. APPL will default to BRIL if BRIL package 235 is equipped. Otherwise BRIT will be the default. BRIT package 233 is required.	
	MOB	Mobility Routing Application	
	MPH	Meridian Packet Handler BRIL and MPH cannot operate on the same MISP. MPH can only be deleted if there are none of the following: • no D-channel packet data separators • no B-channel or D-channel terminals • no network interface • no PVC connections	

Prompt	Response	Comment	Pack/Rel
B1	(NO) YES	Change B-channel 1 configuration When REQ = NEW B1 will not be prompted.	bri-18
B1CT		B-channel 1 Call Type	bri-19
	(VCE) (DTA) PMD IPD	Circuit switched Voice Circuit switched Data Packet Mode Data B-channel Packet Data with MPH For PMD the B-channel packet data must have been specified at the PH prompt during the MISP configuration procedure. PMD cannot be selected simultaneously with VCE and/or DTA. Precede with X to remove.	
B2	(NO) YES	Change B-channel 2 configuration. When REQ = NEW and B2 = NO, all B1 parameters except for MEMB will be used as default. When REQ = CHG, BS = NO and a change was made to ROUT on B1, all parameters will remain unchanged except for the route member number, which will be an unused member. A message will be output to inform the user of the new member number assigned.	bri-18
B2CT		B-channel 2 Call Type	bri-19
	(VCE) (DTA) PMD	Circuit switched Voice Circuit switched Data Packet Mode Data For PMD, the B-channel packet data must have been specified at the PH prompt during the MISP configuration procedure. PMD cannot be selected simultaneously with VCE and/or DTA.	
	IPD	B-channel Packet Data with MPH Precede with X to remove.	
BCH	1 2	TSP associated with the B1 DSL Channel TSP associated with the B2 DSL Channel	bri-19

Prompt	Response	Comment	Pack/Rel
BRSC	I s c	Basic Rate Signaling Concentrator Only 1 BRSC card can be enabled on a single IPE shelf.	bri-19
CAC	0-(3)-9	Commonwealth of Independent States Automatic Number Information category code Allowed with Commonwealth of Independent States-Three Wire Analog Trunk (CIST) package 221.	cist-21
	(0) - 10	Multifrequency Compelled Signaling (MFC) CNI Category Code Allowed with Multifrequency Compelled Signaling (MFC) package 128.	mfc-9
CARD	1-9	Card slot for Small system ISDN Signalling Processor (SISP). CARD applies exclusively to Option 11.	qsig-22
CDR	(NO) YES	Turn off Internal Call Detail Recording Turn on Internal Call Detail Recording	bri-19
CH	1-23 1-30	Channel number (Release 18) for PRI Channel number (Release 18) for PRI2 This channel carries D-channel packet data between the MISP and the packet handler. The PRI route and channel must have already been defined in LD 16 and LD 14. Prompted if PH = DCH or BDCH.	bri-18
CLIP	(YES) NO	Calling Line Identification Presentation for incoming calls.	bri-18
CLOK	(NO) YES	Clock source. Prompted if the following conditions are met: • CTYP = SILC • DSL = 0 or 1 (card dsl number) • MODE = TE For Option 11, the SILC must reside in slot 1-10 of the base cabinet.	bri-18

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Prompt	Response	Comment	Pack/Rel
CLS		Class of Service You can enter more than one Class of Service by separating each entry with a space.	
(ABDD)		Abandoned call record and time to answer Denied	fcdr-18
ABDA		Abandoned call record and time to answer Allowed	
(APN)		ACD Priority not allowed	dpnss-16
APY		ACD Priority allowed	
(CDMD)		CDMD denies external station activity records to be generated for the set	mct-20
CDMA		CDMA allows external station activity records to be generated for the set	
(DNAA)		DN of the key that makes the call used in ANI messages.	cist-21
DNAD		Outgoing CDT/CDTI2 ANDN used as DN in ANI messages. Commonwealth of Independent States - Three Wire Analog Trunk (CIST) package 221 is required.	
(ICDD)		Internal Call Detail Recording Denied	bri-20
ICDA		Internal Call Detail Recording Allowed	
(MRD)		Message Restriction Denied	mr-10
MRA		Message Restriction Allowed	
(PGND)		Deny PAGENET access	pagenet-22
PGNA		Allow PAGENET access	
(THFD)		Centrex Switchhook Flash (THF) Denied	ipra-21
THFA		Centrex Switchhook Flash (THF) Allowed	
(UDI)		Unrestricted DID	supp-10
RDI		Restricted DID	

Prompt	Response	Comment	Pack/Rel
	(CTD)	Conditionally Toll Denied (valid for TIE trunks only)	
	CUN	Conditionally Unrestricted (valid for TIE trunks only)	
	FR1	Fully Restricted Class 1 (valid for TIE trunks only)	
	FR2	Fully Restricted Class 2 (valid for TIE trunks only)	
	FRE	Fully Restricted (valid for TIE trunks only)	
	SRE	Semi-Restricted (valid for TIE trunks only)	
	TLD	Toll Denied (valid for TIE trunks only)	
	UNR	Unrestricted	
COLP		Connected Line Identification Presentation	bril-22
	(NO)	Optional CONNECTED NUMBER IE and optional connected subaddress IE are not passed from M1 to S0	
	YES	Optional CONNECTED NUMBER IE and optional CONNECTED SUB-ADDRESS IE are passed from M1 to S0	
CT	VCE	Circuit switched Voice Call Type for the DN	bri-18
	DTA	Circuit switched Data Call Type for the DN	
		One or more call types can be entered by separating each entry with a space. The call types entered must have been specified for the B1CT and B2CT prompts during the DSL configuration procedures.	
		Precede with X to remove.	
CTYP	SILC	S/T Interface Line Card Type	bri-18
	UILC	U Interface Line Card Type	
		This prompt is displayed only if the S/T (SILC) or U (UILC) Interface Line Card has not been previously configured or when configuring another DSL on the same SILC/UILC.	
CUST	xx	Customer number associated with this function as defined in LD 15.	bri-18
DES	d...d	DSL Designator (1 to 6 alphanumeric characters)	bri-18

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Prompt	Response	Comment	Pack/Rel
DFDN	x...x	Default Directory Number Enter a 1 to 7-digit directory number. This directory number must have been previously defined at the DN prompt. A directory number can be associated with multiple TSPs. Only one default DN can be defined for a TSP. This DN is sent in the outgoing setup if the terminal does not send a calling line identification number with the outgoing call.	bri-18
DMPH	(YES) NO	Meridian Packet Handler supports 8 SAPI 16 separators and 19 B-channels. Meridian Packet Handler supports 3 SAPI 16 separators and 1 B-channels.	bri-19
DN	x..x yyy	Directory Number (x..x = 1 to 7 digits) and CLID entry (yyy) The Directory Number cannot be shared by a non-BRI terminal. 1-8 DNs may be assigned to a DSL. The DN can be assigned to multiple TSPs on a DSL but cannot be assigned to any other DSL. Range for CLID entry (yyy) is: [(0) - (value entered for SIZE prompt in LD 15 minus 1)] Precede with X to remove.	bri-18
DNAT	1-32 <cr>	DNA Table to print Prints all Data Network Address (DNA) tables	mph-19
DNIC	xxxx	Data Network Identification Code Enter a 4-digit DNIC for this item	bri-19
DPSD	(NO) YES	Route D-channel Packet Switched Data calls to an external packet handler, or Public Switched Packet Data Network (PSPDN). Do not route D-channel Packet Switched Data calls to an external packet handler, or Public Switched Packet Data Network (PSPDN).	mph-19

Prompt	Response	Comment	Pack/Rel
DSL	l s c dsl	Digital Subscriber Loop address for large system, where: • l (superloop) = 0-156 (must be 0 or a multiple of 4) • s (shelf) = 0-1 • c (card) = 0-15 • dsl (Digital Subscriber Loop) = 0-7 You can assign 31 DSLs for each MISP if you specified DCH or BDCH at the PH prompt during MISP configuration procedures. When REQ = PRT, entering <cr> at this prompt prints out all DSLs in the system.	bri-20
	c dsl	Option 11 Digital Subscriber Loop address, where: • c (card) = 1-9 • dsl (Digital Subscriber Loop) = 0-7	
EFD	x...x	External Flexible Call Forward No Answer Directory Number (1-13 digits allowed)	bri-18
EHT	x...x	External Hunt directory number (1-13 digits allowed)	bri-18
FDN	x...x	Flexible Call Forward No Answer Directory Number (1-13 digits allowed)	bri-18
FEAT		Features	bri-18
	(CFTD) CFTA	Call Forward by call Type Denied Call Forward by call Type Allowed	
	(CFXD) CFXA	Call Forward to External DN Denied Call Forward to External DN Allowed. CFXA is valid if PRID = 2 or 6 in DSL.	isdn-20
	(DNDY)	Diversion Notification with called party's number and name when available.	qsig ss- 23
	DNDN	Diversion Notification without called party's number and name.	

Prompt	Response	Comment	Pack/Rel
	(DNO3)	Diversion Notification Option with diverted-to party's number and name when available.	qsig ss- 23
	DNO1	Diversion Notification Option without notification.	
	DNO2	Diversion Notification Option without diverted-to party's number and name.	
	(FBD)	Call Forward Busy Denied	
	FBA	Call Forward Busy Allowed	
	(FND)	Call Forward No Answer Denied	
	FNA	Call Forward No Answer Allowed	
	(HBTB)	Hunting By call Type Denied	
	HBTA	Hunting By call Type Allowed	
	(HTD)	Hunting Denied	
	HTA	Hunting Allowed Always assign HTA if the terminal does have CWT capability.	
	(MWD)	Message Waiting Denied	
	MWA	Message Waiting Allowed	
	(SFD)	Second level Call Forward No Answer Denied	
	SFA	Second level Call Forward No Answer Allowed	
FEATID	aaa mmm nnn	Feature ID association This is prompted when PRID = 6, to implement the ISDN BRI Conferencing capability. Where: • aaa = Feature: AO3 = 3-party conference, AO6 = 6 party conference • mmm = Feature activation ID (1-127) • nnn = Feature indication ID (1-127) This is optional. If nothing is entered, the same value as mmm is used. Feature activation and Feature indication ID are the feature key assignments on the terminal. The key numbers must also be configured at the terminal level. Recommended assignments are: M5317TDX: AO6 15 and M5209TDcp: AO6 9.	bri-19

Prompt	Response	Comment	Pack/Rel
HUNT	x...x	Hunt directory number (1-13 digits allowed)	bri-18
IC	n1	Lowest incoming Logical Channel Number range (1-4095)	bri-19
	n2	Highest incoming Logical Channel Number range (1-4095)	
	<cr>	no incoming LCNs	
ISDN_MCNT	60-(300)-350	Layer 3 call control message count per 5 second time interval.	qsig gf-22
K	(1)-7	Window size	bri-19
	(1)-32	Maximum number of outstanding negative acknowledgment (NAKs) frames.	
LAPB	(NO) YES	Change Link Access Protocol for B-channels	mph-19
LAPD	(NO) YES	Change Link Access Protocol for D-channels	bri-18
LAPD	0-15	LAPD protocol group number for DSL assignment Prompted for Release 19 and later.	bri-19
LCN1	1-4095	Permanent Virtual Circuit Logical Channel Number for NT1	bri-19
LCN2	1-4095	Permanent Virtual Circuit Logical Channel Number for NT2	bri-19
LDN	(NO)	No LDN assigned to the DSL	bri-20
	0-3	Departmental Listed Directory Number defined in LD 15	
	0-5	Departmental Listed Directory Number for X11 Release 20	
LOOP	0, 2, 4,...158	MISP loop (must be an even number and the next odd loop number must be unequipped) When REQ = PRT, enter <cr> to print all MISPs in the system.	bri-18
	1-9	SISP loop for Option 11	

Prompt	Response	Comment	Pack/Rel
LTEI		Logical Terminal and Terminal Endpoint Identifiers. The Logical Terminal Identifier (LTID) consists of: • Logical Terminal Group (LTG) • Logical Terminal Number (LTN) • Static Terminal Endpoint Identifier (TEI) pair for D-channel packet data transmission The maximum number of LTID and TEI pairs is defined by MTEI. LTG = 15 and LTN = 1023 is an invalid combination.	bri-18
	n1 n2 m Xm <cr>	Logical Terminal Group (LTG) 1-15 Logical Terminal Number (LTN) 1-1023 TEI (0-63) Deletes LTID and TEI as a pair for the specified TEI Go to the next prompt. LTEI is prompted if D-channel packet data was specified for the associated MISP.	
MCAL	2-(16)-32	Maximum number of calls on a DSL at one time when TYPE = TSP. The maximum number of calls includes Active, Waiting, and On-Hold calls. Warning is received if less than 8 is specified.	bri-18
	1-(4)-8	Maximum Calls allowed per DN when TYPE = DSL. The maximum number of calls allowed for a directory number includes sum total of Active calls, Call Waiting, and calls On-Hold.	bri-18
MEMB	1-254	Member number of BRI route The specified route must match the BRI route type as well as the trunk type specified at the TKTP prompt.	bri-18
MISP	0, 2, 4...158	MISP loop number for large systems ISDN BRI applications on the MISP must be disabled when changing the MISP loop or card. The SILC or UILC must be disabled before changing the MISP loop number. Prompted if the MISP has not been assigned to the specified SILC or UILC. With Release 19 and later, 8 BRSC cards can be configured per MISP	bri-19

Prompt	Response	Comment	Pack/Rel
	1-9	Small system ISDN signalling processor (SISP) card slot number (Option 11)	
MODE		Mode. Prompted when CTYP = SILC. NTAS and NTFS may be input when APPL = BRI, BRIL, or MPH. TE and NE may be input when APPL = BRIT or BRIE .	bri-18
	NTAS	Network Termination Adaptive line Sampling (extended passive bus, branched passive bus Point-to-Point bus, U interface DSL)	
	NTFS	Network Termination Fixed line Sampling (short passive bus)	
	(TE)	Terminal Equipment Mode for DSL	
	NT	Network Termination Mode for DSL. If CTYP = UILC, then MODE = NT.	
MPH	loop	Meridian Packet Handler loop This is the loop with the dedicated connection from the MISP card. Prompted when B2CT = IPD.	mph-19
MPHC	(YES)	Route D-channel packet switched data to the Meridian Packet Handler	mph-19
	NO	Route D-channel packet data calls to an external packet handler, or Public Switched Packet Data Network (PSPDN)	
MTEI	1-(8)-20	Maximum Terminal Endpoint Identifiers MTEI represents the maximum number of both static and dynamic combined assigned to the logical terminals on a DSL.	bri-18
MTFM	(NO) YES	Multi-Frame Mode Prompted if MODE = TE.	bri-18
MTSP	1-(8)-16	Maximum Terminal Service Profiles	bri-18
N1	23-(135)- 263	Maximum I-frame size (in octets)	mph-19
N2	1-(10)-15	Maximum Number of retries	mph-19
N200	1-(3)-8	Maximum Number of retransmissions	bri-18

Prompt	Response	Comment	Pack/Rel
N201	4-(260)	Maximum Number of contiguous octets or bytes in information element	bri-18
N2X4	0-(10)-20	Number of Status Inquiries when Remote Station is in peer busy for 1TR6	ovlp-15
NCOS	(0)-99	Network Class of Service	bri-18
NTN	x...x	Network Terminal Number Add the NTN to the DNA table. The NTN can be up to 10 digits; up to 32 NTN entries are supported for each table. Enter a range of NTN's by separating the numbers with a space. Delete entry by preceding the number with X.	bri-19
NTN1	x...x	First Permanent Virtual Circuit connection to the NTN Up to 10 digits can be entered.	bri-19
NTN2	x...x	Second Permanent Virtual Circuit connection to the NTN Up to 10 digits can be entered.	bri-19
NTNO	(YES) NO	Public Switched Packet Data Network presents only the NTN in the Incoming Call packet's called address field. Public Switched Packet Data Network presents NTN and DNIC in the Incoming Call packet's called address field	bri-19
NWIF	1-3 <CR>	MPH Network Interface Identifier Indicates there is no identifier Delete an identifier by preceding the entry with an X.	bri-19
OC	n1 n2 <cr>	Outgoing Logical Channel number range Lowest Incoming Logical Channel Number range (1-4095) Highest Incoming Logical Channel Number range (1-4095) no incoming LCNs	bri-19

Prompt	Response	Comment	Pack/Rel
OPT	(BRIL)	BRI Line application This information is NOT downloaded to the DSL.	bri-19
		Terminal Service Profile (TSP) print options (when REQ = PRT) :	bri-18
	DN	Print TSPs with the requested Directory Number.	
	DNS	Print Directory Number for specified dsl.	
	SPID	Print TSPs with the specified Service Profile Identifier.	
	SUID	Print Service Profile ID and User Service Identifier map.	
	USID	Print TSPs with the specified User Service ID.	
	<cr>	Print all TSPs defined for the specified dsl.	
PDCA	1-16	Pad Category table defined in LD 73 Prompted if PRID = 2 or 4	bri-18
PGPN	0-15 ALL	Protocol Group Number To remove all protocol groups. You cannot remove a protocol group if it is assigned to a DSL.	mph/bri-19
	<cr>	To print all protocol groups and the number of DSLs in each group Prompted for Release 18	
PH		Packet Handler (Release 18)	bri-18
	(X) DCH	No packet data transmission BRI terminal communicates with the packet handler using multiplexed D-channels over a dedicated BD-channel	
	BCH	BRI terminal communicates with the packet handler using a dedicated B-channel	
	BDCH	Both D-channel and B-channel communicate with packet handler If you select DCH or BDCH, the MISP can support only 31 DSLs because one serial port is dedicated to the packet handler.	
PRES	(YES) NO	Presentation of CLID to far-end on outgoing calls.	bri-18
PRFX	0-9	DNA table Prefix.	bri-19

Prompt	Response	Comment	Pack/Rel
PRI	0, 2, 4,.....158	Primary Rate Interface Loop numbers. This Primary Rate Interface is connected to the packet handler. The Primary Rate Interface must have already been added in LD 17. Prompted if B1CT or B2CT = PMD.	bri-18
	1-9	Card number for Option 11	
PRI_CH	loop channel	PRI for packet handler and BRSC connections. Where: loop (1-159) = the PRI loop number that is connected to the external packet handler channel (1-23) = the PRI channel number where the dedicated BRSC connection terminates This PRI loop must have been previously assigned in LD 17, and must be dedicated to packet handler connection. The PRI channel must be configured for BRI packet data in LD 14 and LD 16.	bri-19
PRID	1 2 3 4 5 6	Protocol ID. Prompted if REQ = NEW. ANSI ETSI DMS NET64 Numeris (Release 18 and later) NI-1 (Release 19 and later) PRID = 6 allows the ISDN BRI conference feature to be configured in the TSPs of the DSL	bri-19
PSIZ	16 32 64 (128) 256	Default packet transmission Size (in octets)	bri-19
PVC	n1 n2	Lowest Permanent Virtual Circuit logical channel number range Highest Permanent Virtual Circuit logical channel number range	bri-19
PVCN	1-4	Permanent Virtual Circuit Number	bri-19

Prompt	Response	Comment	Pack/Rel
RATE	(64) 56	PSDN communication Rate This establishes the rate at which the PSDN communicates across the PRI channel network interface.	bri-19
REQ	CHG END NEW OUT PRT	Request Change existing data block Exit Overlay program Create a new data block Remove data block Print data block	bri-18
ROUT	0-511	Route number for the Trunk DSL The specified route must match the BRI route type as well as the trunk type specified at the TKTP prompt. The specified route must be on the Network (NET) side if MODE = NT for the DSL.	bri-18
SCPW	xxxxx	Station Control Password The SCPW entry must equal the Station Control Password Length (SCPL) defined in LD 15. SCPW is not prompted if SCPL = 0. Precede entry with "X" to delete.	isdn-20
SGRP	(0)-999	Scheduled Access Restriction Group number	bri-18
SPID	a ... a	Service Profile Identifier Where: aaa...a = 9-character alphanumeric service profile ID. A maximum of 8 valid SPIDs per TSP are allowed. Precede with X to remove. With X11 Release 23, any combination of 20 characters or less is valid. Prompted only if the user service identifier is 1-15. It will be repeated until <cr> is entered but only up to 8 SPIDs should be entered. This SPID must be entered in the initializing terminal to associate the terminal with a USID.	bri-18 bri-23

Prompt	Response	Comment	Pack/Rel
SSRV_ETSI		Supplementary Service	isdn-20
	VCFW	Voice Call Forward. VCFW is valid if CT = VCE or if CT = VCE and DTA.	
	DCFW	Data Call Forward. DCFW is valid if CT =DTA or VCE and DTA. Prompted if PRID = 2 (ETSI) in the DSL.	
		Precede with X to remove, the service must not be active.	
SSRV_N1	aaa mmm nnn	NI-1 Supplementary Service. Where:	isdn-20
		• aaa = VCFA (Voice Call Forward Activation) if CT = VCE • aaa = VCFD (Voice Call Forward Deactivation) if CT = VCE • aaa = DCFA (Data Call Forward Activation) if CT = DTA • aaa = DCFD (Data Call Forward Deactivation) if CT = DTA • mmm = Feature Activation ID, 1-127 • nnn = Feature Indication ID, 1-127 (If not defined, mmm is used).	
		The same mmm value may be assigned to VCFA and VCFD, or to DCFA and DCFD. Precede with X to remove, not allowed if feature is activated. Prompted if PRID = 6.	
SUPL_SVC		Supplementary Services	isdn-20
	AO3	Three-Party Conference	
	AO6	Six-Party Conference	
		Precede with X to remove.	
T1	2-(6)-130	Response Timer (in units of 0.5 seconds) Default is 3 seconds.	mph-19
T10/T20	15-(180)-930	Request Restart Timer (in 1 second units)	mph-19
T11/T21	15-(180)-930	Call Request Timer (in 1 second units)	bri-19

Prompt	Response	Comment	Pack/Rel
T12/T22	15-(180)-930	Reset Request Timer (in 1 second units)	bri-19
T13/T23	0-15-(180)-930	Clear request timer (in 1 second units)	bri-19
T2	1-(4)-129	Maximum frame delay (in units of 0.5 seconds) Default is 2 seconds. T2 must be less than T1.	mph-19
T3	0, 3-(12)- 131	Idle Timer (in units of 0.5 seconds) Default is 6 seconds. Setting it a 0 (zero) turns off the timer. If this is not 0, it must be greater than T1.	mph-19
T200	(2)-40	Retransmission Timer Registered in increments of 0.5 seconds to specify the time delay which occurs before the system retransmits the information.	bri-18
T203	4-(20)-80	Maximum Time between transmission frames (in increments of 0.5 seconds)	bri-18
T310	10-(30)-60	T310 Timer value (in seconds)	qsig-20
TC	n1 n2 <cr>	Lowest two-way Logical Channel Number range Highest two-way Logical Channel Number range No two-way LCNs	mph-19
TEI	0-63	Static TEI for addressing terminal This is given in units of 1 second.	mph-19
TDAR	(0)-31 0-(1)-31	Trunk Group Access Restriction number : range prior to Release 22 Trunk Group Access Restriction number : range for Release 22 and later	bri-18
TIMR	(NO) YES	Change Timer values. Not prompted for APISDN AUST.	
TKTP	TIE COT DID	TIE Trunk Type COT Trunk Type DID Trunk Type	

LD 27

Prompt	Response	Comment	Pack/Rel
TN	I s c	Terminal Number of SILC or UILC. Prompted when B1CT= PMD. Where: • I (loop) = 0-156 (must be 0 or a multiple of 4) • s (shelf) = 0-1 • c (card) = 1-15 If REQ = PRT, entering: • I : prints out information for all cards on this loop • I s : prints out information for all cards on that loop and shelf • <cr> : prints out information for all system cards • card : prints information for this card (Option 11 only)	bri-20
	I s c u loop ch 1-20	Terminal Number PRI loop and B-channel number Option 11	
TRANS	(NO)	Restrict presentation of COLP, CLID coming from S0 terminal without presentation option If TRANS = NO and if the presentation indicator is set to restricted, the number digits are erased from the information element before it is sent to the S0 terminal.	bril-22
	YES	CONNECTED NUMBER IE received from the Meridian 1 is sent transparently to S0 terminal, even if restricted	
TRMT	D B	Terminating Type D-channel terminal type configuration used B-channel terminal configuration type used	bri-20
TSET	0-15	Threshold Set for clock errors	tset-7

Prompt	Response	Comment	Pack/Rel
TYPE		Type of data block	bri-19
	BRSC	BRI Signaling Concentrator (Rel 19 and later)	
	CARD	S/T (SILC) or U (UILC) Interface Line Card data block	
	DNAT	Data Network Address Tables (Rel 19 and later)	
	DSL	Digital Subscriber Loop data block	
	LAPB	Link Access Protocol on B-channels (Rel 19 and later)	
	LAPD	Link Access Protocol on D-channel (Rel 19 and later)	
	MISP	Multi-purpose ISDN Signaling Processor data block	
	PROT	Protocol group data block (Rel 18 only)	
	PVC	Permanent Virtual Circuit connections (Rel 19 and later)	
	TSP	Terminal Service Profile data block	
	X25P	X.25 Packet Protocol Parameters (Rel 19 and later)	
USER		Print groups selected at PGPn prompt. USER is prompted when REQ = PRT.	mph-19
	(NO)	Do not print LAPB or LAPD group user information	
	YES	Print LAPB or LAPD group user information (LAPB or LAPD groups selected at the PGPn prompt as well as the TSPs or MPH network interfaces which use them)	

LD 27

Prompt	Response	Comment	Pack/Rel
USID	(0)-15	User Service Identifier The total number of TSPs defined for a DSL cannot exceed the maximum number of TSPs allowed for a DSL as specified by the MTSP prompt during the DSL configuration procedures.	bri-18
	ALL	Removes all TSPs defined for the DSL. Use only when REQ = OUT. A default TSP should be configured for non-initializing terminals. This is done by assigning USID = 0 to the TSP.	
WSIZ	1-(2)-7	Default Transmit Window Size (in octets)	bri-19
X25P	(YES) NO	Change X.25 Parameters If these parameters are changed, all active calls associated with the TSPs and network interfaces for the group will be dropped.	bri-19
XLST	(0)-254	Pretranslation group Prompted if PREO = 1 in LD 15	bri-18
XPVC	(YES) NO	External PVC connection Internal PVC connection	bri-19
